

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08640/018001		SERIAL NO. 09/294,563							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				MAY 27 1999 U.S. PATENT & TRADEMARK OFFICE									
				APPLICANT Kurt E. Schmidt et al.									
				FILING DATE April 20, 1999		GROUP 2857							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
pn	AA	5	6	9	9	4	0	2	12/16/1997	Bauer et al.	379	26	
pn	AB	5	8	8	1	1	3	0	3/9/99	Zhang	379	6	
	AC												
	AD												
	AE												
	AF												
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	AH												
	AI												
	AJ												
	AK												
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO	
	AL												
	AM												
	AN												
	AO												
	AP												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
m	AQ	Co-Pending U.S. Patent Application Serial No. 09/285,954 filed April 2, 1999 which was filed from										RECEIVED JUN 02 1999 TECHNOLOGY CENTER 2800	
		U.S. Provisional Patent Application Serial No. 60/106,845 filed 11/3/98.											
	AR												
	AS												
RECEIVED AUG 18 1999 Group 2700 4/3/00													
EXAMINER pn									DATE CONSIDERED Group 2700 4/3/00				
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449
(MODIFIED)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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08640/018001

SERIAL NO.
09/294,563

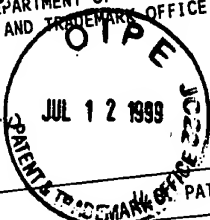
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

APPLICANT
Kurt E. Schmidt et al.

FILING DATE
April 20, 1999

GROUP
2857

(37 CFR 1.98(b))



EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
pn	AA	5 1 5 7 3 3 6	10/20/1992	Crick	324	613	
pn	AB	5 3 0 2 9 0 5	4/12/1994	Crick	324	613	
pn	AC	5 4 3 6 9 5 3	7/25/1995	Nilson	379	27	
pn	AD	5 8 6 4 6 0 2	1/26/1999	Needle	379	6	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				CLASS	SUBCLASS	TRANSLATION	
DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE				YES	NO
AL							
AM							
AN							
AO							
AP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

pn	AQ	Goralski, "xDSL LOOP QUALIFICATION AND TESTING", IEEE Communications Magazine, May 1999.
pn	AR	"LOOP QUALIFICATION, PREREQUISITE FOR VOLUME xDSL DEPLOYMENT?", The TeleChoice Report On xDSL, Vol. Two, No. 3, March 1997.
pn	AS	Woloszynski, "IT'S HERE", Bellcore Exchange Magazine, 6/98.

EXAMINER

DATE CONSIDERED

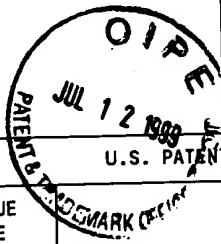
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	BL						
	BM						
	BN						
	BO						
	BP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
<i>PN</i>	BQ	Stewart, "TESTING ADSL: THE EASIER, THE BETTER", America's Network, 12/15/1998.					
<i>PN</i>	BR	Hekimian Product Information Release, "INTRODUCING HEKIMIAN'S COMPREHENSIVE ADSL TEST SOLUTION"					
<i>PN</i>	BS	Harris Communications, National Communications Forum Presentation, Chicago, IL, 10/5/98.					
EXAMINER				DATE CONSIDERED			
<i>P.N</i>				<i>11/3/80</i>			
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	CB						
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	CD						
	CE						
	CF						
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	CK						
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	CL						
	CM						
	CN						
	CO						
	CP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
<i>bn</i>	CQ	Turnstone Systems, Inc., Product Literature & Presentation at Turnstone Systems, Inc., September 1992.					
EXAMINER <i>bn</i>				DATE CONSIDERED 11/3/00			
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